

Lecturer in International Relief, Water Supply and Sanitation Engineering

Job Ref: REQ16684

As part of the University's ongoing commitment to redeployment, please note that this vacancy may be withdrawn at any stage of the recruitment process if a suitable redeployee is identified.

School of Civil and Building Engineering

Research and teaching within the School of Civil and Building Engineering covers all the disciplines in the construction and transport industries. The school thus benefits by having academic staff from a wide variety of backgrounds, with a resulting rich diversity of perspectives.

This mix of disciplines ensures a healthy range of input to our teaching and research. The school is large, with some 70 academic staff, 40 technical and clerical support staff and 20 contract researchers.

Significant activity within the School is based around four highly regarded Institutes and Centres, within the School, including the Centre for Innovative Construction Engineering (CICE), the Centre for Doctoral Training in energy demand reduction (LoLo), the European Construction Institute (ECI) and the Water Engineering Development Centre (WEDC).

Water Engineering and Development Centre

The Water Engineering and Development Centre (WEDC), is one of the world's leading education and research institutes supporting the development of knowledge and capacity to achieve the sustainable and equitable delivery of Water, Sanitation and Hygiene (WASH) services for sustainable development and emergency relief. We focus on solutions for people in low- and middle-income countries, helping to provide evidence-based answers to important questions – not only about what needs to be done to improve basic infrastructure and essential services – but also how to go about it

WEDC core values are:

- **Education:** Teaching, learning and capacity building underpin sustainable developments in water, sanitation and hygiene: Education is the indispensable condition of development. It won't happen without it.
- **Knowledge and research:** Knowledge is central to progress. It's not just the generation of new knowledge through research, but using existing knowledge to the full, and working seriously on dissemination and uptake

Working within the WEDC team, the successful candidate will be self-motivated with a desire to promote the Centre's core values and extend the international reputation of WEDC and Loughborough University.

WEDC engages in three main activities:

- Education and training at postgraduate level
- Applied research and consultancy
- Outreach through international conferences and the development and dissemination of quality technical information products.

It is anticipated that this post will support all WEDC core areas of activity

Job Description

Please note that this is a generic job description for the position of Lecturer.

Job Grade

Research, Teaching and Enterprise Grade 6/7

Job Purpose

To contribute to and enhance the research, teaching and enterprise activities of the School of Civil and Building Engineering in the area of Water Sanitation and Hygiene for international development in support of the University Strategy, Building Excellence.

Job Duties

Research

- To pursue a personal research programme consistent with the research priorities of the [School name] that increases the global visibility and reputation of the University.
- To secure external research funding.
- To supervise and manage research projects.
- To publish the outcomes of research in outlets of international standing.
- To attend and contribute to major international conferences.
- To supervise postgraduate students at Masters and Doctoral levels.
- To collaborate in research initiatives with colleagues both within the University and externally.

Teaching

- To work with colleagues in the School to deliver an exceptional learning environment for students.
- To teach and inspire undergraduate and postgraduate students, and to conduct associated assessments.
- To provide academic and pastoral support to undergraduate and postgraduate students.
- To promote the use of a range of methods and techniques in teaching, learning and assessment.
- To engage in the evaluation and development of modules for which you have responsibility, in terms of content, delivery and assessment.
- To be responsible for the design and content of specific areas of teaching and learning within the School's undergraduate and postgraduate programmes.
- To cooperate with colleagues in the continuous review and development of the School's taught programmes and curriculum.

Enterprise

- To engage with business, public and voluntary organisations through knowledge exchange activities such as student projects and placements, research collaboration, consultancy and specialist training.
- To create social, cultural and economic impact from academic, especially research, activity.
- To secure external funding in support of these activities.
- To seek opportunities for the commercialisation of research and the formation of social enterprises.

Related Activities and Functions

- To work effectively with relevant administrative, technical and academic staff in the School and across the University.
- To carry out specific administrative roles and functions as may be reasonably required.
- To take part in and, on occasion, act as chair of one or more School committees.
- To engage in training programmes in the University (e.g. through Staff Development) which are consistent with your needs and aspirations and those of the School.
- To undertake such other duties as may be reasonably requested and that are commensurate with the nature and grade of the post.
- To engage fully with the annual Performance and Development Review (PDR) process.

Points To Note

The purpose of this job description is to indicate the general level of duties and responsibility of the post. The detailed duties may vary from time to time without changing the general character or level of responsibility entailed

Special Conditions

All staff have a statutory responsibility to take reasonable care of themselves, others and the environment and to prevent harm by their acts or omissions. All staff are therefore required to adhere to the University's Health, Safety and Environmental Policy & Procedures.

All staff should hold a duty and commitment to observing the University's Equality & Diversity policy and procedures at all times. Duties must be carried out in accordance with relevant Equality & Diversity legislation and University policies/procedures.

Successful completion of probation will be dependent on attendance at the University's mandatory courses which include Respecting Diversity and, where appropriate, Recruitment and Selection.

Organisational Responsibility

Reports to the Dean of School.

Person Specification

Your application will be reviewed with respect to meeting the essential and desirable criteria listed below. Your application will be reviewed against the essential and desirable criteria listed below. Applicants are strongly advised to explicitly state and evidence how they meet each of the essential (and desirable) criteria in their application. Stages of assessment are as follows:

- 1 – Application
- 2 – Test/Assessment Centre/Presentation
- 3 – Interview

Essential Criteria

Area	Criteria	Stage
Experience	At least two year's work experience in low/lower middle income countries in one or more of the following: <ul style="list-style-type: none"> • Emergency water, sanitation and hygiene; • Water supply and sanitation for disaster preparedness; • Sustainable water supply and sanitation 	1 and 3
	Experience of working in a high quality academic research environment including experience at post-doctoral level.	1
	Experience of project management	1 and 3
	Experience of teaching and assessment at undergraduate and postgraduate level.	1 and 3
	Evidence of authoring original work, in high quality refereed academic journals.	1
Skills and abilities	Ability to develop an original research programme on your own initiative and to persuade others of its importance.	2,3
	Previous employment in an academic institution	All
	Ability to identify and develop potential social / cultural / economic impact from professional activity.	2,3
	Knowledge of research and enterprise funding opportunities in UK HE and understanding of how to secure funding.	2,3
	A clear trajectory towards achievements at a higher academic level.	1,2,3
	Excellent communication and interpersonal skills which give you the ability to engage with students, colleagues, business and other agencies on a wide variety of matters.	1,2,3
	Ability to work as part of and to lead a team.	2,3
	Excellent IT skills.	1
Training	Commitment to and evidence of continuing professional development.	1.3
Qualifications	A strong engineering profile up to and including first degree and or Masters in a relevant subject PhD closely related to either: <ul style="list-style-type: none"> • International Water Supply and/or sanitation • Emergency relief and disaster preparedness Or equivalent experience	1
Other	Commitment to observing the University's Equal Opportunities policy at all times.	1,3

Desirable Criteria

Area	Criteria	Stage
Experience	Experience of presenting research work at international conferences.	1
	Experience of successfully supervising the projects of taught and research students or company staff at equivalent levels.	1,3
	Experience of work in or in collaboration with international development stakeholders.	1
Skills and abilities	Ability to take part in module and programme development.	3
	Knowledge of the challenges faced in UK HE.	1
	Working knowledge of another language	
Qualifications	Professional Membership (e.g. CIWEM, C.Eng)	1

Conditions of Service

The position is full time and fixed term for one year. Salary will be in the Research Teaching and Enterprise job family, Grade RT 6/7 (£34,956 - £46,924) per annum, at a starting salary to be confirmed on offer of appointment. The appointment will be subject to the University's normal Terms and Conditions of Employment for Academic and Related staff, details of which can be found [here](#).

The University is committed to enabling staff to maintain a healthy work-home balance and has a number of family-friendly policies which are available at:

<http://www.lboro.ac.uk/services/hr/a-z/family-leave-policy-and-procedure---page.html>.

We also offer an on-campus nursery with subsidised places, subsidised places at local holiday clubs and a childcare voucher scheme (further details are available at:

<http://www.lboro.ac.uk/services/hr/a-z/childcare-information---page.html>

In addition, the University is supportive, wherever possible, of flexible working arrangements. We also strive to create a culture that supports equality and celebrates diversity throughout the campus. The University holds a Bronze Athena SWAN award which recognises the importance of support for women at all stages of their academic career. For further information on Athena SWAN see

<http://www.lboro.ac.uk/services/hr/athena-swan/>

Informal Enquiries

Informal enquiries should be made to Anne Blenkinsopp WEDC Leader, by email at [Anne Blenkinsopp F.A.Blenkinsopp@lboro.ac.uk](mailto:Anne.Blenkinsopp@lboro.ac.uk) or by telephone on 01509 222633.

Applications

The closing date for receipt of applications is **3 November 2016**